

SYSTEM FOR EXTRACTION OF REPRESENTATIVE DATA FOR  
TRAINING OF ADAPTIVE PROCESS MONITORING EQUIPMENT

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ABSTRACT OF THE DISCLOSURE

System and method for selection of appropriate modeling  
data from a general data set to characterize a modeled process. The data is  
typically correlated sensor data, representing a multitude of snapshots of a  
sensed machine or process. The invention accommodates selection of greater  
10 amounts of general data for inclusion in the modeling data where that data  
exhibits greater dynamics, and selects less data from regions of little change.  
The system can comprise a computer running a software program, or a  
microprocessor.